



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW5605G00351-3G-1

Job Sheet 201400



Part No: RBW5605G00351-3G-1

Job Qty: 9 pcs

Part Name: Shoe



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/3/19

Job Tracking No:

Due Date: 10/17/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW5605G00351-3G Rev E IPP Rev A 18.03.23 New issue DP Verify DD/IPP Rev. B 19.06.03 drawing revision DP Verify DD/IPP Rev. C 19.09.13 drawing revision DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
120	SL-154 - 1	9 pcs		10/17/19	1.00	2.25	SL-154 - 1		OB 19.10.06
130	QC 2	9 pcs		10/17/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		OB 19.10.06
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com



Container No: S220100

Part: RBW5605G00351 - 3G - 1

Job No: 201400

Serial No/Batch: S220100

Revision: E

Inspector:

Exp Date:

DAS
62
9-89

DAS
62
9-89

					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
132	Conventional Mill - 1 - B4B	9	10/17/19	0.00 1.13	Conventional Mill - 1 - B4B	
	NOT REQUIRED DAS 45 19-10-03	pcs			Conventional Mill - 2 - B4B	
133	QC 2	9	10/17/19	0.00 0.00	QC 2 - 1	
	NOT REQUIRED DAS 45 19-10-03	pcs			QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	
					QC 2 - 8	
					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
140	QC 8	9	10/17/19	0.00 0.00	QC 8 - 12	
		pcs			QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	De 19-10-07

					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
					QC 8 - 76	
					QC 8 - 61	
170	Outsource - 12 - Black Oxide	9 pcs	10/17/19		GRO002-VC	PO43044718 ^Q OCT 08 2019 x9
180	Packaging 2-1 - Receive - B4B	9 pcs	10/17/19	0.00 0.00	Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	DP OCT 2 1 2019
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
190	QC 6	9 pcs	10/17/19	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	OCT 2 1 2019 DAS 40 9-89
					QC 6 - 81	
200	Packaging 3-1 - Stock - B4B	9 pcs	10/17/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	

				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	HL
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	DAS
				Packaging 3 - 36 - B4B	21
210 QC 21 - SA	9	10/17/19	0.00 0.00	QC 21 - SA - 21	9-39 OCT 21 2019
	pcs			QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 120 - (MORI SL-154 LATHE) 1-Machine as per folio FC091 FOLIO REV: AA DWG REV: E 2-
 Descriptions: Deburr

130 - (QC2- Inspect parts off machine FAI/FAIB)

132 - Drill hole as per drawing.

133 - QC2- Inspect parts off machine FAI/FAIB

140 - (QC8- Inspect parts - second check)

170 - Issue P/O; _____ -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required

180 - (Receive & Inspect for Damage & Mat'l Certs)

190 - QC6- All purchased or subcontracted products

200 - (Identify as per dwg & Stock Location: _____)

210 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140QT-R1.000	AISI 4140 Quenched & Tempered Steel Round Bar 1.000" Dia.	1.8720 ft (.208 ea)	120-SL-154 - 1	5093068

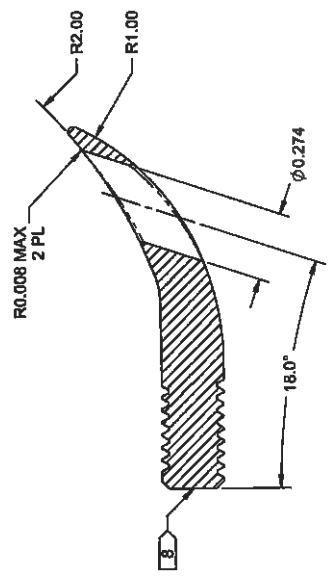
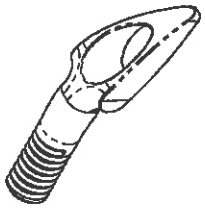
Job Allocations

Operation	Component Part	Required	Inventory	Allocated
120-SL-154 - 1	MT-4140QT-R1.000	2	6	0

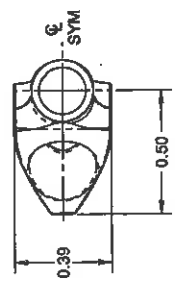
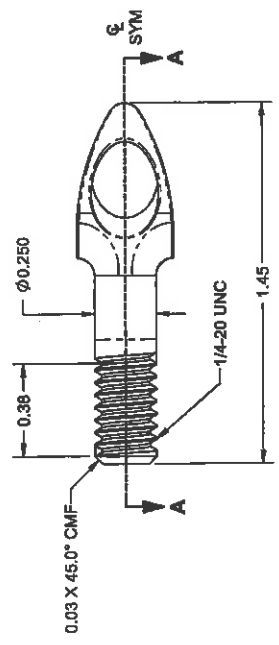
Part Specifications

Specifications could not be found.

8 7 6 5 4 3 2 1



SECTION A-A



RBW5605G00351-3G-1 SHOE

- NOTES:
- 1) MATERIAL: 4140 (28-32 RC)
 - 2) HEAT TREAT: N/A
 - 3) FINISH: BLACK OXIDE PER MIL-C-13824 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
 - 4) TOLERANCES: XX = $\pm 0.1"$ / $\pm 1"$
XXX = $\pm 0.01"$ / $\pm 0.5"$
XXXX = $\pm 0.005"$ / $\pm 0.1"$
XXXXX = $\pm 0.0005"$ / $\pm 0.05"$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A
 - 8) CENTER DRILL IS ACCEPTABLE
 - 9) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF $\pm 0.005"$ PER CAD FILE RBW5605G00351-3G-1 REV. E STEP

DESIGN	VM	DART AEROSPACE LTD
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA
CHECKED	MM	TOOL PART #
MFG. APPR.	JFC	RBW5605G00351-3G
APPROVED	WJP	TITLE
DATE	2019-09-13	FILLER INSTALLATION TOOL
		SCALE
		NTS
		REV. E
		SHEET 2 OF 3
		COPYRIGHT © 2019 BY DART AEROSPACE LTD
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		PERMISSION OF DART AEROSPACE LTD

201400 MJS
19-10-03



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044718



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044718

PO Date: 10/8/19

Due Date: 10/16/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

OCT 08 2019

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	201400	RBW5605G00351-3G-1	Shoe -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/16/19	9 pcs	0 pcs	9 pcs	\$2.00/pcs	\$18.00

DAS
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9-89

6102 1 2 100

JP



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PURCHASE ORDER

POHB044718



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	01402	RBW5605G00551-3G-1	Shoe -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/16/19	9 pcs	0 pcs	9 pcs	\$2.00/pcs	\$18.00
				X9		OCT 21 2019				OP	
3	014256	RBGTMD12	Main Rotor Pillow Block Bolt Socket -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; DOM -Certificate of Conformity is required	Firmed	-	10/16/19	6 pcs	0 pcs	6 pcs	\$2.00/pcs	\$12.00
				X6		OCT 21 2019				OP	



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PURCHASE ORDER

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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	199067	RBW6510G08031-6F-1	169 Reaction Block Pin -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/16/19	6 pcs	0 pcs	6 pcs	\$2.00/pcs	\$12.00
5	199068	RBW6510G07931-6F-1	189/139 Reaction Block Pin -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/16/19	6 pcs	0 pcs	6 pcs	\$2.00/pcs	\$12.00



Dart Aerospace Ltd.
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PURCHASE ORDER

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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	199049	RBW6510G05731-6F-4	Pin -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL- PRF-16173 Grade 3 Class 1 or MIL-c- 81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	10/16/19	24 pcs	0 pcs	24 pcs	\$2.00/pcs	\$48.00
Grand Total:										\$120.00	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/9/19 9:20 AM Dart.Lavoie.Chantal



Certificat de Conformité / Certificate of Compliance

(023087-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

023087 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
18-Oct-2019		Jigar Patel			POHB044718				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	RBW5605G00351-3G-1 Rev.	RBW5605G00351-3G-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	9	9	0	0	0	
2	RBW5605G00551-3G-1 Rev.	RBW5605G00551-3G-1 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE 3 CLASS 1 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	9	9	0	0	0	
3	RBGTMD12 Rev.	RBGTMD12 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0	
4	RBW6510G08031-6F-1 Rev.	RBW6510G08031-6F-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0	
5	RBW6510G07931-6F-1 Rev.	RBW6510G07931-6F-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0	
6	RBW6510G05731-6F-4 Rev.	RBW6510G05731-6F-4 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	24	24	0	0	0	

RECEIVED
OCT 18 2019
BAE AEROSPACE LTD.

DAS
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8-89

RECEIVED
 OCT 18 2019
 DART AEROSPACE LTD.



Certificat de Conformité / Certificate of Compliance

(023087-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupepaltech.com

Bon de Livraison / Packing Slip

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Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
18-Oct-2019		Jigar Patel		POHB044718				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.